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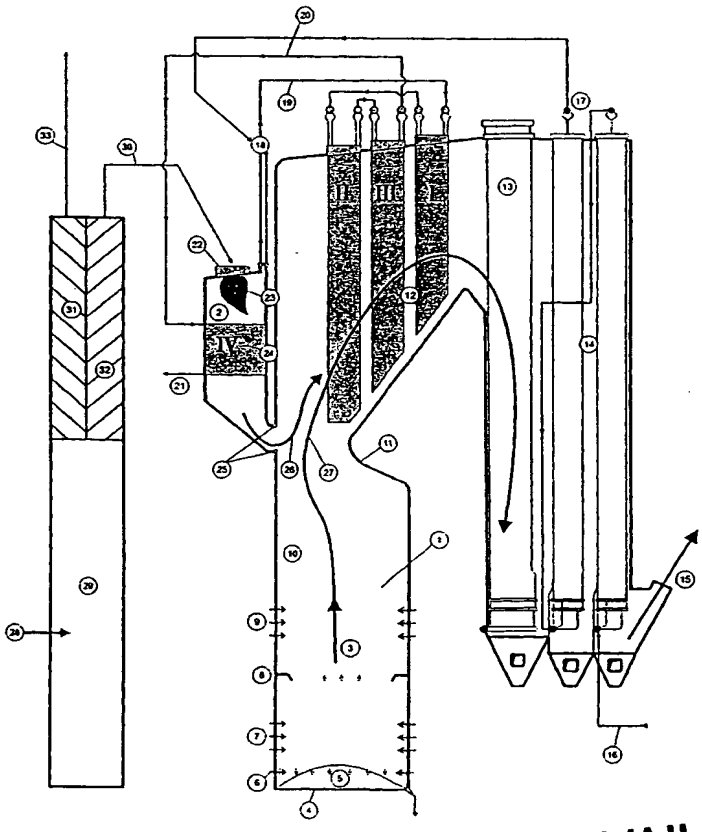
(54) Title: SYSTEM FOR PRODUCING ENERGY AT A PULP MILL



(57) Abstract: The present invention relates to a spent liquor recovery boiler system comprising a boiler having a water/steam circulation system having superheaters and a furnace for recovering energy and chemicals from spent liquor combusted therein, the walls of the boiler being formed of a plurality of water-cooled tubes connected to the water/steam circulation system. The system is provided with at least one cavity having walls formed of water-cooled tubes connected to the water/steam circulation system, means for combusting a fuel and at least one outlet for discharging combustion gases to the boiler, the interior of the at least one cavity being provided with heat exchanger means for final superheating of the steam generated in the boiler, said heat exchanger means being connected to the superheaters of the boiler.

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